

L' Ambiance Plaza – Case Study

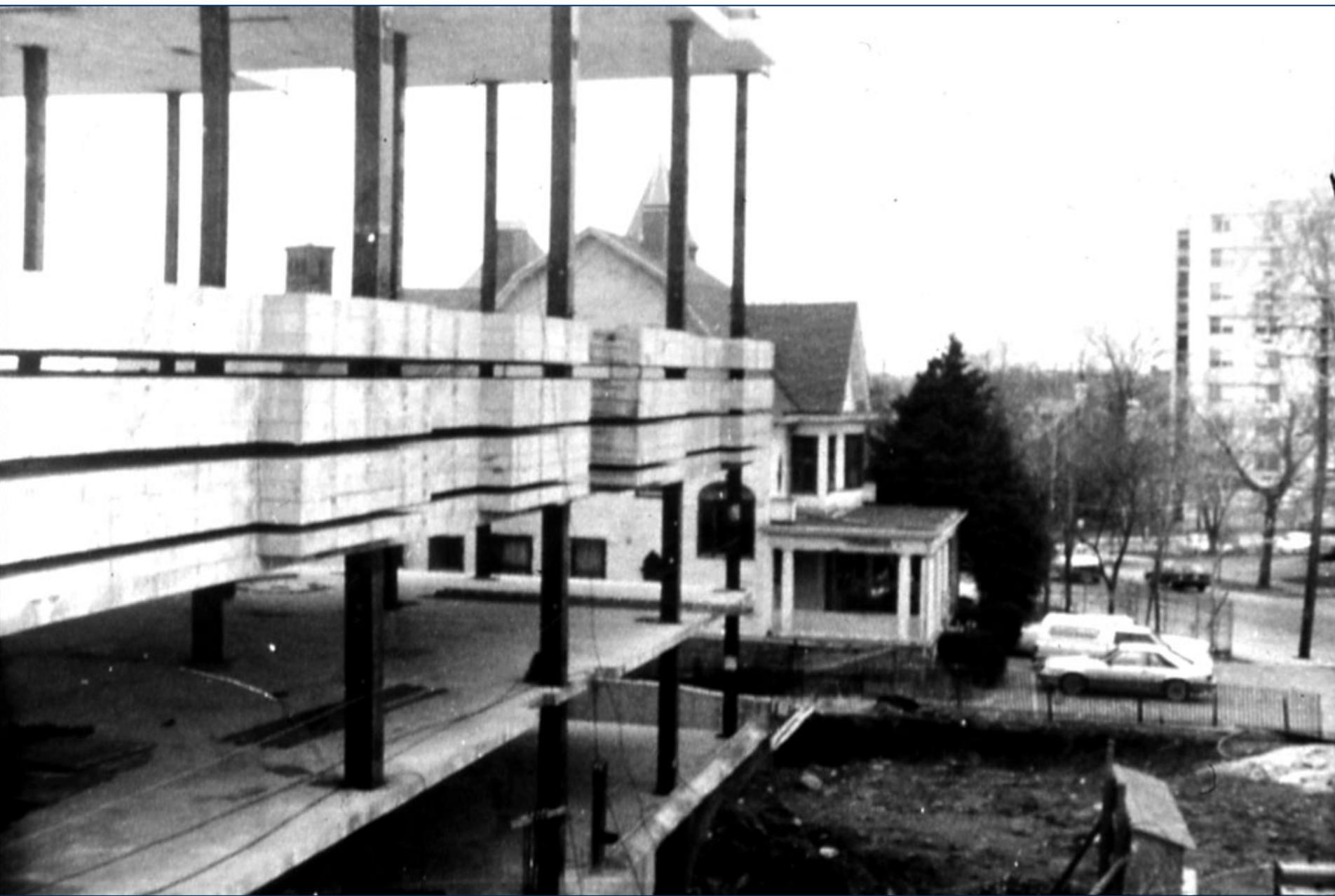
Donald O. Dusenberry

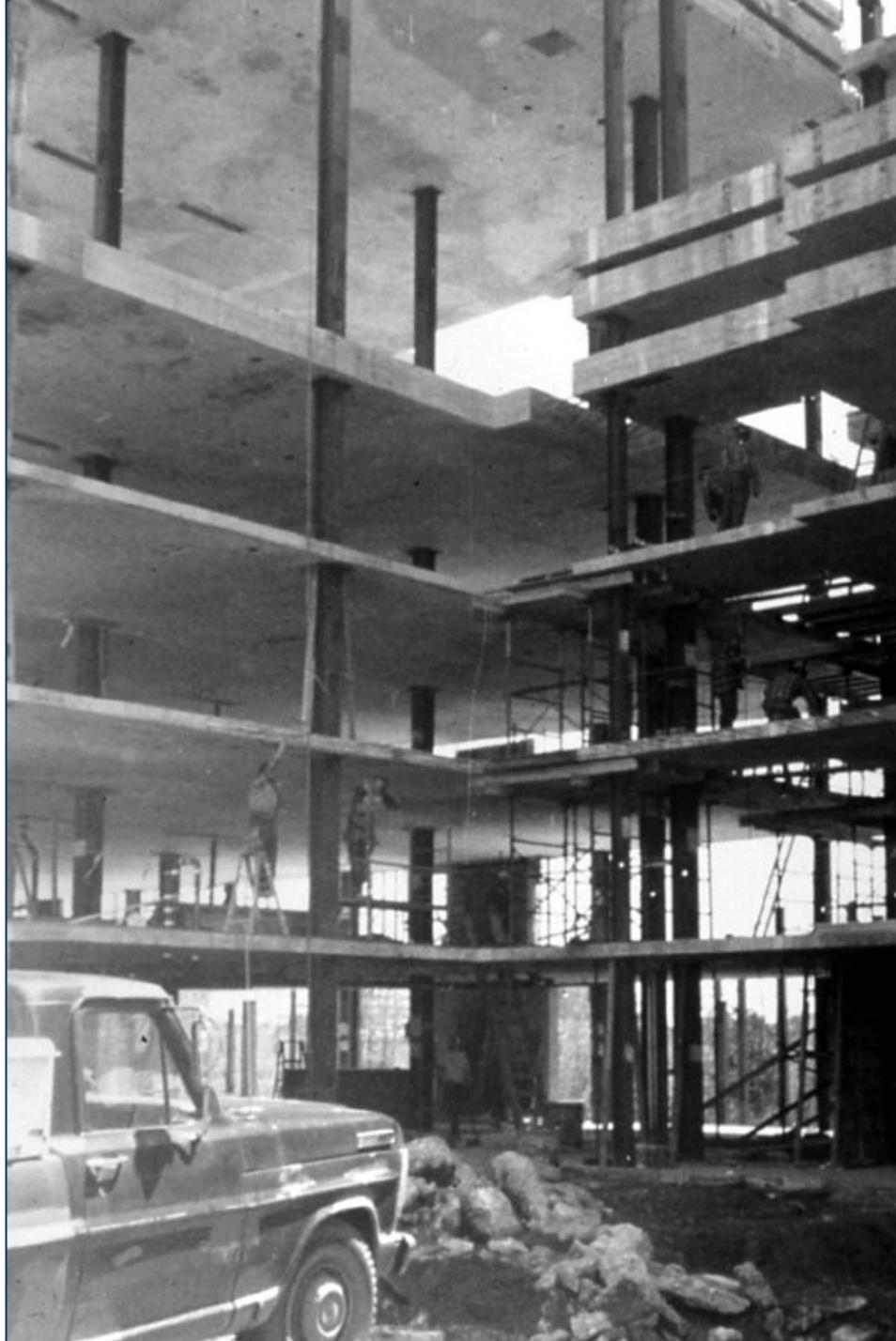
Simpson Gumpertz & Heger Inc.

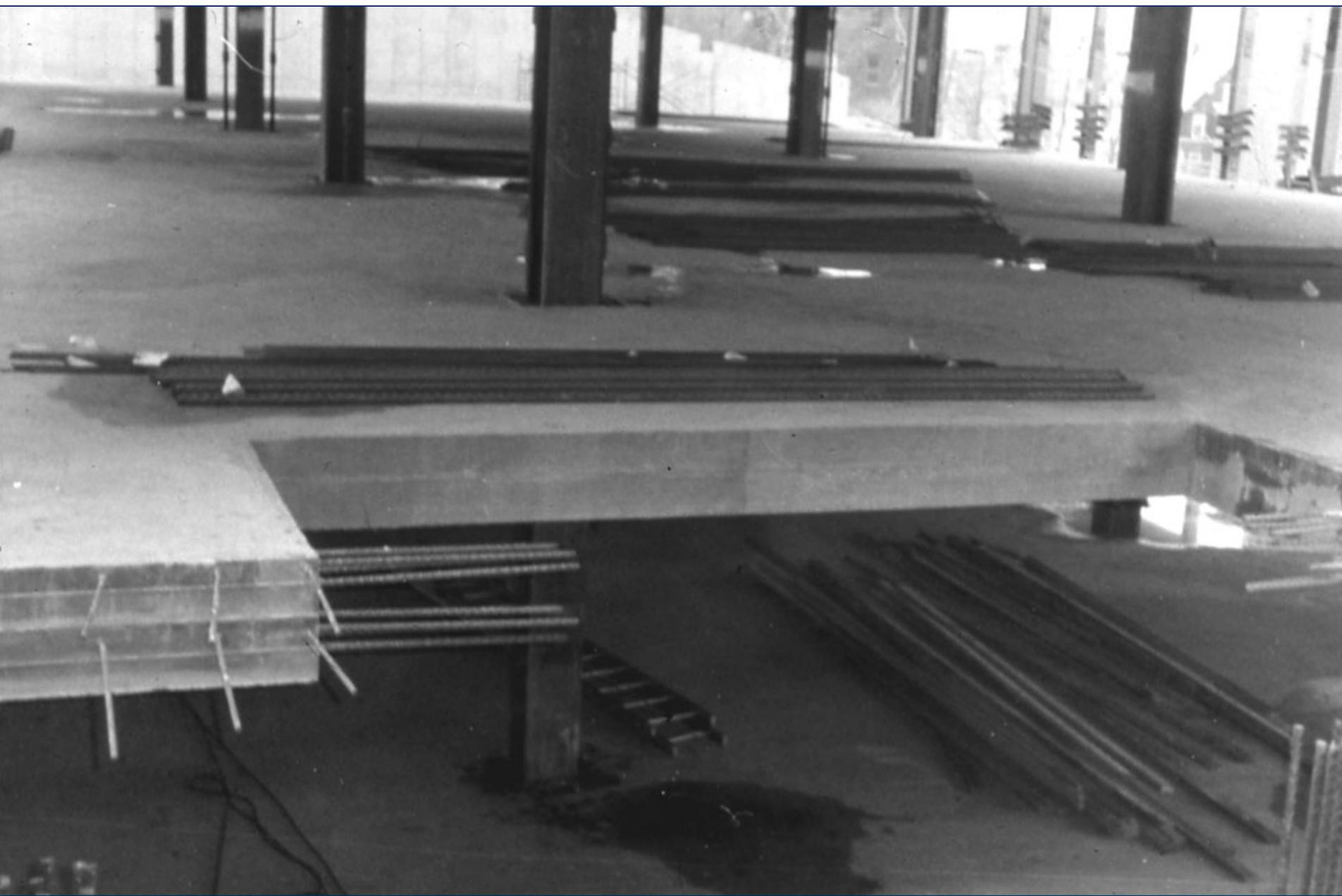
Boston, Los Angeles, New York, San Francisco,
Washington







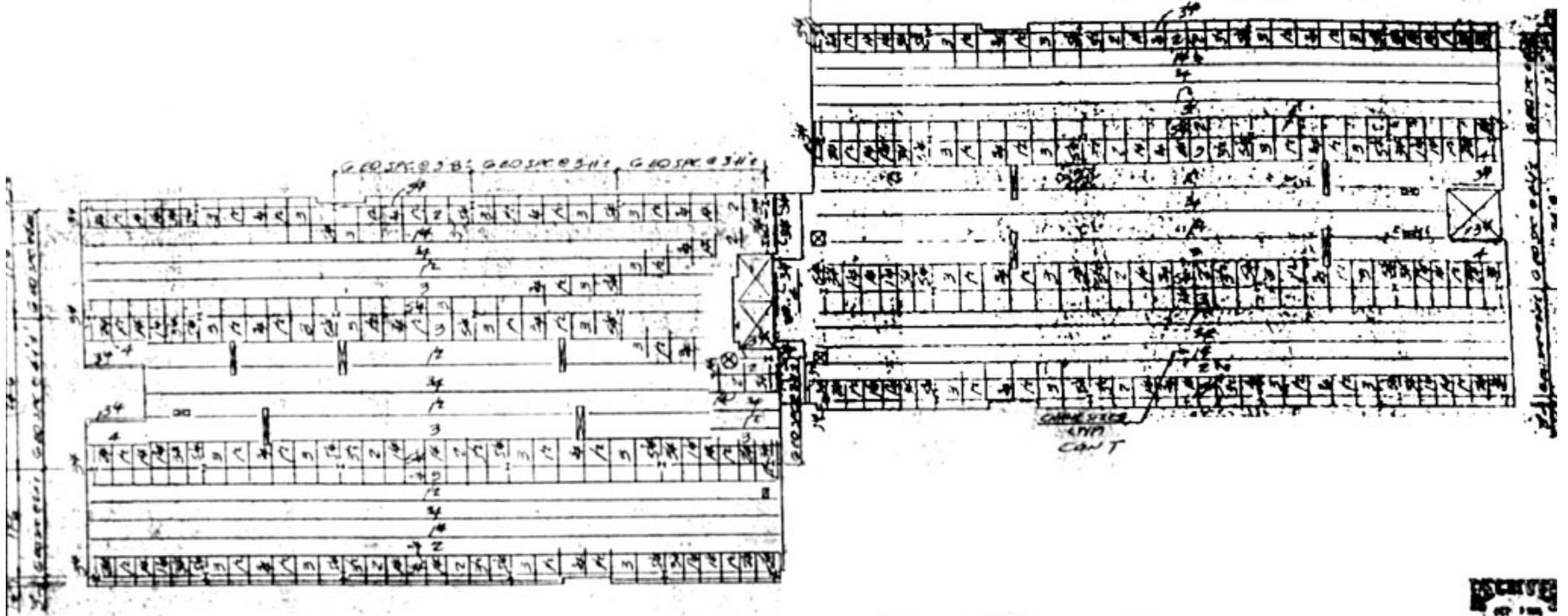
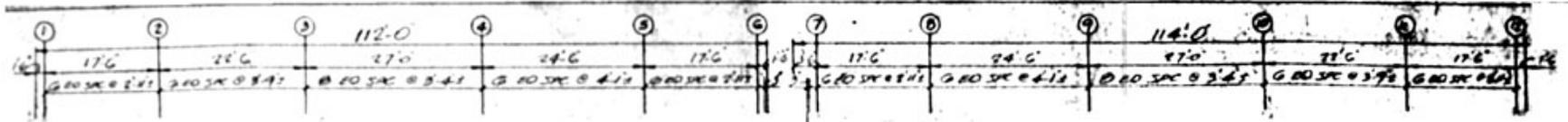












FIRST LEVEL SUPPORT LAYOUT
 SCALE: 1/8"=1'-0" 3/8"=1'-0"



















Possible Causes of Initiator

- ◆ Principal
 - Failure of shear collars
 - Improper placement of tendons
- ◆ Secondary
 - Overall stability
 - Plumbing operation
 - Lateral soil pressure
 - Frozen concrete



Reasons for Complete Collapse

- ◆ Very little mild steel
- ◆ Incomplete construction